


```
Db 286 ACATCTTTAACTAAATATGATTTTGAAGATTTTATGAAATGTTCGATACATGACACA 345
Oy 323 AATGCTTGGCAGGCTTATCAACCTGGCAATCAGTTATATAAATTAATGATTTTGTGTT 382
Db 346 TATAGTATTTTCAAAAAATACATTTTGTGTCATATTTTTCACAACTACAAAGATTTGTG 405
Oy 383 GAATTAAGAGAACTTTAAAAATGATGTGAGAGCTTTTATCTACATTCAGAGCCTTATG 442
Db 406 GAATATTTCTACTATATTAATAAACCCTGTGAAGATCAGTTTGAACAAGAACTTATG 465
Oy 443 AAGAAGCTAGAGAAACCACTACATGATGATGCTTATAGACCTGATGCTGCTGGA 502
Db 466 AGAATACTACAAAGGTCAAAATTTGATGTCTCTTGTGGCAGATGCGCTTAATCCCTGAG 525
Oy 503 GACCTGATGCTGATGCTTGTGAGTCCCTTTTGTGCTCACACTTAGAATTTCTGTAGA 562
Db 526 GAGCTGCTGGCTGAACCTTAACATACCCCTTCTGTACAGTCTCCGCTTCTGTGTGGC 585
Oy 563 GCGAATTTGAGAGCAACCTGTGGGAACTTCCACCTCCTGCTATGCTACCTGTGCT 622
Db 586 TACACAGTTAGAGAAATGAGGAGATTTCTGTCCCTCTCTATGATACCTGTGTT 645
Oy 623 ATGACAGACTAACAGACAGATGACCTTCTGTGAAAGATATAAATTCATGCTTTCA 682
Db 646 ATGTCAAAATTAAGTATCAATGATTTTTCATGAGAGATATAAATATGATATATATG 705
Oy 683 GTTTTGTTCACCTTCTGAGATTCAGATTTAGCATATCTTTTGGGAGAGCTTTATAGT 742
Db 706 CTATATTTTGTCTTTGTGTTTCAAGCATATGATCTGAAGAAAGTGAGCACTTTTATAGT 765
Oy 743 AAGCATTTAGGAAGGCCACTACATTTATGAGAGCTGTGGGAAAGCTGAGATTTAGGCTA 802
Db 766 GAACTTCTAGAGAAACCCACTACATTTATTTAGCAATGGGAAAGCTGAAATGTGCTC 825
Oy 803 ATACAAATATTTGAGATTTTGAATTTCTTCAACATACCAACTTAACCTTGAATTTGT 862
Db 826 ATTCGAACCTTATGAGATTTTGAATTTCTTCCGCAATCTTACCAAAATGTTGATTTGT 885
Oy 863 GGAGGATTTGCACCTGTAACCTGCCAAGCTTTGCTTAAGGAAATGGAAATTTGTCCAG 922
Db 886 GGAGGACTTCACTGTAAACCAAGCCCTTGAAGAAATGGAGAGTTGTGTGAG 945
Oy 923 AGTTCAGGAGAAATGATTTGTGTGTTTCTGTGGGGTACTGTTCATTAATGTTTACA 982
Db 946 AGCTCTGAGAAATGTGATTTGTGTGTTTCTGTGGGGTGTGATGATAGTAACATGTCA 1005
Oy 983 GAAGAAAGGCTAATATATCTGCTTCAACCTTGGCCAGATCCACAGAGAGGTATATG 1042
Db 1006 GAAGAAAGTGCACATGATTTGCATCAGCCCTTGGCCAGATCCACAAAGGTTCTATAG 1065
Oy 1043 AGGTACAAAGAAAAAACCATCCATTTAGAGCCATCTGGCTGTATGATTTGATA 1102
Db 1066 AGATTTGATGGCAAGAAACCAATTAAGTTTCAATCTGCACTGTATTAAGGTGTA 1125
Oy 1103 CCCAGATGATCTTCTGTGCTATCCCAAAACCAAGCTTTTATACATGATGTTGAATG 1162
Db 1126 CCCAGATGATCTTCTGTGCTATCCCAAAACCAAGCTTTTATACATGATGTTGAATG 1185
Oy 1163 AATGGATCTATGAAGCTATTTACATGAGGCTTCCCTATGTGGAGTTCCCATATTTGCT 1222
Db 1186 AATGGATCTATGAAGCTATTTACATGAGGCTTCCCTATGTGGAGTTCCCTATTTGCTG 1245
Oy 1223 GATCAGCTTGTATACATAGCTTCACATGAAGCCAAAGAGCAGCTGTGAAATTAACCTTC 1282
Db 1246 GATCAGCTTGTATACATAGCTTCACATGAAGCCAAAGAGCAGCTGTGAGATTC 1305
Oy 1283 AAATCTATGAGAAGGAGATTTTACTGAGGGCTTGAAGACAGCTTAACGATTCGCT 1342
Db 1306 AGGACCATGTAGAGATTTGCTCAATGATGATGATGATGATGATGATGATGATGATGAT 1365
Oy 1343 TATAAAGAAATGCTATGATGATTTATCAAGAAATTCACATGATCAACCTGTAAGCCCTTA 1402
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Db 1366 TATAAAGAAATATATCATGAATATATCAAGAATTCATCATGATCAACCGGTGAAGCCCTG 1425
Oy 1403 GATGACAGATCTTCTGTGATCGAGTTGTGATGCGCCAAAGAGGACGACCTGCGA 1462
Db 1426 GATGACAGATCTTCTGTGATCGAGTTGTGATGCGCCAAAGAGGACGACCTGCGG 1485
Oy 1463 TCAGTCCCATGACCTCACCTGTGCTGAGCAGTACTCTATAGATGATGATGATGATGATG 1522
Db 1486 GTGCGACGCCCAACCTCACCTGATCAGTACAGACCTCTTTGATGATGATGATGATGATG 1545
Oy 1523 CTGACCTGTGTGCGACCTGCTATATCTTGTTCACAAAATGTTTTTATTTCTGTCAA 1582
Db 1546 CTGCGCTGCGGCGCACTATGATATTTATGATTCACAAAATGTTTTTCTGTTCGGA 1605
Oy 1583 AAATTAATAAATACTAGAAAGATGAAAGAGGAGATGATGATGATGATGATGATGATGATG 1642
Db 1606 AAGCTTGCCAAACAGAGAAAGAGAGAAAGGATTAATGATATATCAAAAGCCGTGAAGT 1665
Oy 1643 ACCTGA 1648
Db 1666 GAATGA 1671

RESULT 2
US-09-813-918-1
; Sequence 1, Application US/09813918
; Patient No. 6383789
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: C1001175
; CURRENT APPLICATION NUMBER: US/09/813,918
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1413
; TYPE: DNA
; ORGANISM: Human
US-09-813-918-1

Query Match 20.8%; Score 574; DB 4; Length 1413;
Best Local Similarity 78.4%; Pred. No. 1,1e-126;
Matches 688; Conservative 0; Mismatches 190; Indels 0; Gaps 0;

Oy 754 AAGGCCACTACATTAATGATGAGACTGTGGGAAAGCTGAGATGCTTAATACGAACATA 813
Db 520 ACGACCCACTACCTTAATTTGAGACAAATGGAAGAACTGACATATGCTTATGCGAAACCC 579
Oy 814 TTGGATTTTGAATTTCTCTCAACCATTACCAACCTTAACCTTATGATTTGTGAGAGTTGCA 873
Db 580 CTGAGATTTTCAATTTCTCTCAACCATTTCTTACCAACCTTGAATTTGTGAGAGTTTCCA 639
Oy 874 CTGTAACCTGCAAAAGCTTTGCTTGAAGAAATGGAATTTTGTCCAGATTTCCAGGGA 933
Db 640 CTGCAAACTGCAAAACCCCTTACCTTAAGAGAAATGAGAGATTTGTACAGAGCTGTGAGA 699
Oy 934 AGATGATATGTGTGTTTCTGTGGGGTCACTGTTTCAAAATGTTTACAGAGAAAGGC 993
Db 700 AAATGTGTGTGTTGTTTCTGTGGGGTCAAGTATTAAGTATGATGATGATGATGATGATGATG 759
Oy 994 TAATATCATTTGCTTAGCCCTTGGCCCAATCCCAAGAGAGTTATGAGAGTTACAAAGC 1053
Db 760 CAATTAATTTGCAACAGCCCTTGGCCAGATCCCAAGAGAGTTCTGTGAGATTTGACGG 819
Oy 1054 AAAAAACCATCCATTAAGGAGCCATATCGGCTGTATGATGATGATGATGATGATGATGATGATG 1113
Db 820 GAATTAACCAATGCTTATAGGTTCAATTAATCTGGCTGTACAGTGTGATGATGATGATGATGAT 879
Oy 1114 TCTTCTGTGATCTCCCAAAACCAAGCTTTTATCACTCATGTGTGATGATGATGATGATGATGAT 1173
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Db	880	CCCTCTGAGTCATCCAAAAACCAGACCTTTTATTAOCTATGTTGGAGCCATNGCATGTA	1333
QY	1174	TGAAGCTATTACCATGCGGCTCCCTATAGTGGGAGTTCCTCATATTTGGTGTACAGCTTGA	12333
Db	940	TGAGCCAACTACCATGAGGATGCCCATGNGGGGCAATTCATTGTTTTTGTATCAACCTGA	999
QY	1234	TAACTATGCTCATATGAAGGCCAAAGAGCAGCTGTAGAAATAAACCCTCAAACTATGAC	12933
Db	1000	TAACTATGCTCATATGAAGGCCAAAGGAGCAGCTGTAGATTGAGCTTCAACACATGTTC	10599
QY	1294	AAGCAAGATTTTCTGAGGGCTTTGAGAACAGTCATTAACGATTCCTCTGTATTAAGAA	13533
Db	1060	GAGTACGAGACCTGCTGTAATGCACTGAAAGCAGTAATTAATGATCCTTTATATTAAGAA	11199
QY	1354	TGCTATGAGATTATCAAGAATTCACCATGATCAACCTGTAAGGCCCTCAGATGAGCAGT	14133
Db	1120	TATATGAATTAATCAAGAATTCACATGATCAACCAAGTAAGGCCCTCGATCGAGCAGT	11799
QY	1414	CTTCTGATGATGAGATTGTCTATGCGCCACAAGAGCCAAAGCAGCTGCGATCAGCTGCCA	14733
Db	1180	CTTCTGATTTGAATTTGTCTATGCGCCCAACAAGAGCCAAACACCTTCCAGATTGCGAGCC	12399
QY	1474	TGACCTGACCTGGTTCAGACAGTCTATAGATGATGGGTCGCGCTGACCTGTGT	15333
Db	1240	TGACCTGACCTGGTTCAGACAGTCTTGTGATGATGGGTTGCGTGGCCGTGTGT	12999
QY	1534	GCGAACTGCTATATTTCTTGTGTCACAAATGTTTTTTTATTTTCTGTCAAAATTAATTA	15933
Db	1300	GCGAACTGCTATATTTATATCATCAAAAGTTTGTGTCTTTTCTGTGGAAGTTTGCTAG	13599
QY	1594	AACTAGAAAGATGAAAAGAGGAGATAGTCTTTCCAA	1631
Db	1360	AAAAGGAAAGAGGAAAGAGATTAAGTTCGGA	1397
RESULT 3			
PCT-US92-00282-2			
Sequence 2, Application PC/TUS9200282			
GENERAL INFORMATION:			
APPLICANT: OWENS, IDA S.			
APPLICANT: RITTER, JOSEPH K.			
TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION			
TITLE OF INVENTION: THEREIN.			
NUMBER OF SEQUENCES: 40			
CORRESPONDENCE ADDRESS:			
ADDRESSEE: CUSHMAN DARBY & CUSHMAN			
STREET: 1615 L STREET, N.W.			
CITY: WASHINGTON			
STATE: D.C.			
COUNTRY: U.S.A.			
ZIP: 20036-5601			
COMPUTER READABLE FORM:			
MEDIUM TYPE: Floppy disk			
COMPUTER: IBM PC compatible			
OPERATING SYSTEM: PC-DOS/MS-DOS			
SOFTWARE: PatentIn Release #1.0, Version #1.25			
CURRENT APPLICATION DATA:			
APPLICATION NUMBER: PCT/US92/00282			
FILING DATE: 19920110			
CLASSIFICATION: 435			
ATTORNEY/AGENT INFORMATION:			
NAME: SCOTT, WATSON T.			
REGISTRATION NUMBER: 26581			
REFERENCE/DOCKET NUMBER: 91532-PCT			
TELECOMMUNICATION INFORMATION:			
TELEPHONE: 202-861-0944			
TELEFAX: 202-861-3000			
TELEX: 6714627 CUSH			
INFORMATION FOR SEQ ID NO: 2:			
SEQUENCE CHARACTERISTICS:			
LENGTH: 2339 base pairs			
TYPE: NUCLEIC ACID			

[illegible]

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QY 1028 CAGAGGTGTATGAGGATGACAAAGGAAAAACCATTCACATTTAGAGCCAACTACGCG 1087
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 994 CAGACAGTCTGTCGGGCTGACACTGACACCCACCATGCAATCTTGCGAACAACGATA 1053
QY 1088 CTGTATGATGATGATACCCAGATGATCTCTTGTGTATCCCAAAACCAAGCTTTATTC 1147
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1054 CTGTATGATGATGATACCCAGATGATCTCTTGTGTATCCCAAAACCAAGCTTTATTC 1113
QY 1148 ACTCATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1207
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1114 ACCATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1173
QY 1208 GTTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1267
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1174 ATGCGCTGTTGTGTATGATGATGATGATGATGATGATGATGATGATGATGATG 1233
QY 1268 GTAGAAATTAACCTTAATGATGATGATGATGATGATGATGATGATGATGATGATG 1327
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1234 GTGACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1293
QY 1328 ATTCACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1387
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1294 ATCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1353
QY 1388 CCTGTAAAGCCCTAGATGATGATGATGATGATGATGATGATGATGATGATGATG 1447
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1354 CCGGTGAGCGCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1413
QY 1448 GCCAAGCAGCGCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1507
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1414 GCGCCACAGCGCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1473
QY 1508 GTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1567
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1474 GTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1533
QY 1568 TTATTTCTCTGCAAAAT 1586
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1534 GCTTATGCTACCGGAAT 1552
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 4
PCT-US92-00282-1
; Sequence 1, Application PCT/US9200282
;
; GENERAL INFORMATION:
; APPLICANT: OWENS, IDA S.
; APPLICANT: RITTER, JOSEPH K.
; TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
; TITLE OF INVENTION: THEREIN.
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN DABRY & CUSHMAN
; STREET: 1615 L STREET, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20036-5601
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/00282
; FILING DATE: 19920110
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: SCOTT, WATSON T.
; REGISTRATION NUMBER: 26581
; REFERENCE/DOCKET NUMBER: 91532-PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861-3000
; TELEFAX: 202-822-0944

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; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2336 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; PCT-US92-00282-1

Query Match      11.6%, Score 319.8; DB 5; Length 2336;
Best Local Similarity 52.5%; Pred. No. 1,8e-66;
Matches 777; Conservative 0; Mismatches 692; Indels 12; Gaps 3;

QY 106 TGGGAAGATCGTGGGTGAGCCCTGATGATGATGATGATGATGATGATGATGATGATG 165
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 81 TGGGAAGATCGTGGGTGAGCCCTGATGATGATGATGATGATGATGATGATGATGATG 140
QY 166 AGAAGAGCTCATAGTGAAGAGGATGAGTAAAGATGATGATGATGATGATGATGATG 225
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 141 CCAGACGCTGCAGAGAGGAGGACATGAATAGTGTCTGACCTGACGCTGATGATG 200
QY 226 AATTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 285
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 201 CATCAGAGAGCGGAGCATTTTACACTTGA-----AGAGTACCTGATGATGATG 254
QY 286 AACAGAGAAATGAATATTTGTTGACCTGATGATGATGATGATGATGATGATGATG 345
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 255 GAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 314
QY 346 CTGCAATCAGTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 405
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 315 CCTGACAGCGTGTATCAAAACATCAAGAAATTAATTAATTAATTAATTAATTAAT 374
QY 406 GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 465
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 375 TGGCTGTCCACTTACTGACAAACAAAGAGCTCATGAGCTCCTCGAGAAAGCAGCTT 434
QY 466 CGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 525
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 435 TGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 494
QY 526 AGTCCCTTTGTGCTACACTGATGATGATGATGATGATGATGATGATGATGATGATG 585
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 495 TCTGCCACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 551
QY 586 GAAACTTCCAGCTCCACTTCCATGATGATGATGATGATGATGATGATGATGATGATG 645
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 552 CCAGTGGCCCAACCATTTCTCTACGTGCGCAGGCTCTCTCTCTCTCTCTCTCTCT 611
QY 646 GACCTTGTGGAAGAGTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 705
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 612 GACCTTCTGAGCGGCTGAAGAA---CATCTATGCTCTTTTCAAGAACTTTCTGTG 668
QY 706 GGATTAACACTATATTTTGGGAAGAGTATTAAGAGCATTAAGAGAGCCCACTAC 765
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 669 CGAGTGTGATTAATCCCGATGACAAACCTTCCATCAAAATTCCTAGAGAGAGTAC 728
QY 766 ATTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 825
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 729 TGTCCAGAGCATTAATGACCTGCAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 788
QY 826 ATTCTTCACACATTAACCACTTAATTAATTAATTAATTAATTAATTAATTAATTA 885
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 789 TTACCTTAGGCCCCATATGCCCCATATGATGATGATGATGATGATGATGATGATG 848
QY 886 CAAGCTTTGCCCTAAGAAATGAATTTTGTCCAGAGTTCAGGGAAGATGATGATG 945
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 849 AATTCACATATCCAGGAATTTGAAGCCATATATGATGATGATGATGATGATGATG 908
QY 946 GGTGTTTCTGTGGGTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1005
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 909 GGTGTTTCTGTGGGTGATGATGATGATGATGATGATGATGATGATGATGATGATG 968
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QY	1006	TTTCAGCCCTTGCCCAAGTCCACAGAAAGGTTATGAGATGCTCAAAAGGAAAAAACCATC	1065
Db	969	TGATGCTTTTGGGCAAAATTCCTTAGACAGCTCTGTGCGGTACCTGGAACCCGACCATC	1028
QY	1066	CACATTATGGAGCCAACTACTGCGCTGTATATTGATGSAATCCCAATGATCTTCTTGATCA	1125
Db	1029	GAATCTTGGCAACACACGATCTTTTAAAGTGGCTACCCCAAAACGATCTCTTGATCA	1088
QY	1126	TCCCAAAACCAAGCTTTTATCTACATCATGCGAATGAATGGATCTATGAAGCTATTTA	1185
Db	1089	CCCCATGACCCGTGCTTTATCATCCCATCTGGTGTCCATGCTGTTATGAAGACATATG	1148
QY	1186	CCATGGGGTCCCTATGCTGGGAATGCCATATTGGTATCAGCTTGAATCATAGCTCA	1245
Db	1149	CAATGGGTTTCCCATGGTGTATGATGCGCTTTGTTGGTATCAGATGAGCAATGCAAAACG	1208
QY	1246	CATGAAGGCCAAAGAGACAGCTTATAGAAATTAACCTCAAACTATGACAAAGCAAGATT	1305
Db	1209	CATGGAACCTAAGAGGAGCTGGAATGACCTGAAATGTTCTGGAAATGACTTCTGAAGATT	1268
QY	1306	ACTGAGGGCTTTTGAGAAACAGTCAATTAACCATGTCCTTTATAAGAAATGCTATGAGATT	1365
Db	1269	AGAAATAGCTCTTAAAGCAGTCAATCATATGACAAAGATTACAAGAGAAACATCAGCGCT	1328
QY	1366	ATCAAGAAATTCACCATGATATCAACCTGTAAGCCCTCAAGTTCAGACAGTCTTGTGATGCA	1425
Db	1329	CTCCAGGCTTTACAAAGGACCGCCGGGTGAGCGCGTGAACCTGCGCGTGTGTGGTGGA	1388
QY	1426	GTTTGTGATGCGCACAAAGAGCCCAAGACAGCTGCATAGCTGGCCCATGACCTCACTCG	1485
Db	1389	GTTTGTATGAGGCACAAAGGCGCGCCACACCTCGCGCCCCCGACGCCACAGACTTCACTG	1448
QY	1486	GTTTCAGACACTACTATATAGATGTGAATGGGTTCTGCTGACCTGTGGCAACTGCTAT	1545
Db	1449	GTACCACTACCAATCTCTTGAGCTGAATGGTTCTCTTGCGCGTGTGCTGACAGTGGC	1508
QY	1546	ATTCTGTCTCAAAATGTTTTTATTATTTCTGTCAAAAT	1586
Db	1509	CTTCATACCTTTAAAGTGTGCTTATGGCTACCGGAAT	1549

```

RESULT 5
US-09-370-838-21
Sequence 21, Application US/09370838
Patent No. 6444425
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Lodes, Michael J.
APPLICANT: Mohamath, Roadoch
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.475C1
CURRENT APPLICATION NUMBER: US/09/370,838
CURRENT FILING DATE: 1999-08-09
EARLIER APPLICATION NUMBER: US 09/285,323
EARLIER FILING DATE: 1999-04-02
NUMBER OF SEQ ID NOS: 289
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 21
LENGTH: 391
TYPE: DNA
ORGANISM: Homo sapien
US-09-370-838-21

```

Query Match	5.3%	Score 145.6	DB 4	Length 391.
Best Local Similarity	61.2%	Pred. No. 1,5e+25		
Matches 235, Conservative	0	Mismatches 149	Indels 0	Gaps 0
Oy	936	ATGTAATGTGTGCTTTTCTCTGGGTCACCTGTTCAAAATATATACAGAGAAAAGCTTA	995	
db	1	ATGGAAATGTGTTTCTCTTTGGGATCAATATGCTCTCAGAAATTTCCAGAGAAAGAAAGCTG	60	

Qy	996	ATATCATTTGCTTACGCCCTTGCCCAAGATCCCAAGAGAGTGTATTAGAGAGTCAAAAGAA	1055
Db	61	TGGCGAATTTGTGATGCTTTTGGGCAAAATCCCTGACAGCTCCTGGCGGTACACTGAA	120
Qy	1056	AAAACCATCACAATTAGAGAGCCAAATACTCGGGCTGTATGATTGGATPACCCCAATGATC	1115
Db	121	CCCGACCATGGAATCTTGGCAGACACACGATACTTGTTCAGTGGCTACCCCAAAACGATC	180
Qy	1116	TTTCTTGTCATCCCAAAACCAAGACTTTTATCAGTCACTGGTGGAAATGAATGGATCTATG	1175
Db	181	TGCTTGGTCAACCAATGACCCGGTCCCTTATATCAACCATGCTAGTTCCTCATGGTGTATAG	240
Qy	1176	AAGCTATTTACCATGAGGGTCCCTAGTGGTGGAGTCCCATTTTGGTGTACGCTTGATA	1235
Db	241	AAACGATATGCAATGGCGTTCCTCATGATGATATACCTTTATTTTGGTGTACGATGGACA	300
Qy	1236	ACATAGCTCACATGTAAGGCCAAAGAGAGCAGCTGTAGAAATTAACCTTCAAAACTATAGACA	1295
Db	301	ATGCAAAAGCCAGGAGACACTAAAGGAGCTGGAGATGCCGTGAATGTCTCGAGAGACTT	360
Qy	1296	GCGAAGATTTACTGAGGGCTTTGA	1319
Db	361	CTGAAGATCTGAGAAATGCTCTGA	384

```

RESULT 6
PCT-US92-00282-25
: Sequence 25, Application PC/TUS9200282
: GENERAL INFORMATION:
: APPLICANT: OWENS, IDA S.
: APPLICANT: RITTER, JOSEPH K.
: TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
: TITLE OF INVENTION: THREEIN.
: NUMBER OF SEQUENCES: 40
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: CUSHMAN DARDY & CUSHMAN
: STREET: 1615 L STREET, N.W.
: CITY: WASHINGTON
: STATE: D.C.
: COUNTRY: U.S.A.
: ZIP: 20036-5601
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: PCT/US92/00282
: FILING DATE: 19920110
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: SCOTT, WATSON T.
: REGISTRATION NUMBER: 26581
: REFERENCE/DOCKET NUMBER: 91532-PCT
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-861-3000
: TELEFAX: 202-822-0944
: TELEX: 6714627 CUSH
: INFORMATION FOR SEQ ID NO: 25:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1561 base pairs
: TYPE: NUCLEIC ACID
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: PCT-US92-00282-25.

```

Query Match	3.5%	Score 97.4	DB 5	Length 1561
Best Local Similarity	70.1%	Pred. No. 6.4e-14		
Matches 131, Conservative	0	Mismatches 56	Indels 0	Gaps 0

Db	451	ATGGCAATTATGAACAATAATGTCTTTTGATCATATACATAGTCTGTGTGGAGCTACTGCAT	510
Qy	428	AATCAGACGCTTATGAGAGAGCTACAGAGAAACCACTACGATGTAATGCTTAAGACCT	487
Db	511	AATGAGGCCCTGATCAGGACACTGCATGCTACTCTTTGATGTGGTTCAACAGACCCC	570
Qy	488	GTGATTTCCCTGGAGAGACCTGATGGCTGAGTTCGTTGAGCCCTTTTGGTCCACACT	547
Db	571	TTTCACTCTCCGGCGCGCTGTGCTGCTAGTACGTACCTGTGCATCTGCTGTGTCTTCTTG	630
Qy	548	AGAAATTTCTGTAGAGAGCAATATGAGAGCAAGCTGTGGAAACTTCCAGCTCCACTTCC	607
Db	631	AGGAACATTTCCATGTG--ATTGAGCTTTAAGGGCACACAGTGTCCAAACCTTCTCC	687
Qy	608	TATGTACTGTGCGCTATGACACAGAGACTAACAGACAAATGACCTTTCTGGAAACGTAA	667
Db	688	TATATTTCCTAGATTACTTAACACCAACCAATTCACACCCACATGACATCTCCGAAAGGTCAG	747
Qy	668	AATTCATGCTTGTAGTTTGTTGTTCCACTCTTCGATTCGATTAAGATTTACGCTATCATTTTGG	727
Db	748	AA----CATGCTCTACCTCTGTGCCCCGTGCTCTACCTTTGGCCATGCTGTGTTGCTCTTAT	804
Qy	728	GAAAGAGTTTATFAGTAAGGCATTTAAGAAAGGCCCACTACATTATGTGAGAGTGGGAAA	787
Db	805	GCAAGCCTTGCCCTCGAGCCTTTTCAAGAGAGAGGTGTCAGTGGTGATTAACCCAGCGCATATCC	866
Qy	788	GCTGAGATATGGCTAATACGAACATATTGGGATTTTGAATTTCTCTCAACCATACCACT	847
Db	865	GCATCTCGTGCTGCTGCTCCGAGGGAGATTGTGTGATTAACCCAGCGCATATCC	924
Qy	848	AACTTTGAGTTTGTGGAGATGCACTGTAACCTGCAAAAGTTTGCCTAAG	902
Db	925	AACATGCTTTCATTTGGGGGCGATCAACTGTGTCCCAAGGAGGCCACTATCTCAG	979

RESULT 9
 PCT-US92-00282-16
 Sequence 16, Application PC/TU9200282
 GENERAL INFORMATION:
 APPLICANT: OWENS, IDA S.
 APPLICANT: RITTER, JOSEPH K.
 TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
 TITLE OF INVENTION: THEREIN.
 NUMBER OF SEQUENCES: 40
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: CUSHMAN DABRY & CUSHMAN
 STREET: 1615 L STREET, N.W.
 CITY: WASHINGTON
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20036-5601
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US92/00282
 FILING DATE: 19920110
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: SCOTT, WATSON T.
 REGISTRATION NUMBER: 26581
 REFERENCE/DOCKET NUMBER: 91332-PCT
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-861-3000
 TELEFAX: 202-822-0944
 TELEX: 6714627 CUSH
 INFORMATION FOR SEQ ID NO: 16:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1448 base pairs
 TYPE: NUCLEIC ACID

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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; HYPOTHETICAL: YES
PCT-US92-00282-16

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Query Match	2.3%	Score 62.4;	DB 5;	Length 1448;
Best Local Similarity	48.5%;	Pred. No. 1.2e-05;		
Matches 233; Conservative	0;	Mismatches 241;	Indels 6;	Gaps 2

OY	338	TTAAAAAGATGTGTGAGAGCTTTATCTACATCATGACGCTTATGAGAAAGCTCACAGAA	457
Db	475	TTTCATAGTCTTGTGTGAGACTACTGCATATATGAGGCCCTGATCAGGACACTGAAATGCT	534
OY	458	ACCAACTACGATGTGAATGCTTATAGACCCCTGTGATTCCTCTGTGAGACCTGATGCTGAG	517
Db	535	ACTTCCTTCGATGTGGTTTTTAATGAGACCATAATTCCTCTGTGGGCGATGCTGGCTTAC	594
OY	518	TTGCTGTGAGACCCCTTTTGTGCTCACACTAGAAATTTCTGTAGAGGCAATATGAGACGA	577
Db	555	TACCTATCAATTCCTGCTGCTGTTTTTTTGTGAGAACATTCAGTG--ATTAGACTTT	651
OY	578	AGCTGTGGAAACTTCCAGCTCCACTTTCTCATGTACTGCTGCTTANAGACGACTAAC	637
Db	652	AAGGGCACACAGTGCACAAATCCTTCCTCATATTCCTTAAGTACTAGACGACCAATCA	711
OY	638	GACAGATGACCTTTCTGTGAAAGAGTAAAAATTCATGCTTTCAGTTTGTTCACCTTC	697
Db	712	GACACACATGACATTCCTGTCAAAAGGGTCAGAA--CATGGCTCACCTCTGGGCTCTGTC	768
OY	698	TGCAATTCAGATTCAGCAATCATTTTGTGGGAAGAGTTTATAGTAGGATTAGAGAAAG	757
Db	769	TACTCTTCCATGCTCTTTCTTGCTCCTTATGCAAGCCTTGCTCTGAGCTTTTTCAGAGG	828
OY	758	CCCACTACATTATGTGAGACTGTGGGAAAAGCTGAGATGAGCTAATATAGCAACATAATGG	817
Db	829	GAGGTGTGAGTGTGAGATCTTCTCAGCAATGCAATCTGTGGCTGTTCCAGGGGACTTT	888
OY	818	GATTTTGAATTTCTCAACCATTACCACACTTACTTTGAGTTTGTGAGAGATTCACCTGT	877
Db	889	GTGATGGAATTCACCCAGGCGCATATGCCCAACATGATGTTCATTTGAGGGGCATCAACATGT	948

RESULT 10
PCT-US92-00282-14
Sequence 14, Application PC/TUS9200282
GENERAL INFORMATION:
APPLICANT: OWENS, IDA S.
APPLICANT: RITTER, JOSEPH K.
TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
TITLE OF INVENTION: THEREIN.
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DABRY & CUSHMAN
STREET: 1615 L STREET, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20036-5601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/00282
FILING DATE: 19920110
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SCOTT, WATSON T.
REGISTRATION NUMBER: 26581
REFERENCE/DOCKET NUMBER: 91532-PCT
TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-861-3000
 TELEFAX: 202-822-0944
 TELEX: 6714627 CUSH
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1066 base pairs
 TYPE: NUCLEIC ACID
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 PCT: US92-00282-14

Query Match 2.2%; Score 60; DB 5; Length 1066;
 Best Local Similarity 44.9%; Pred. No. 3.9e-05;

Matches 360; Conservative 0; Mismatches 430; Indels 12; Gaps 3;

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OY 68 CTGCTCCGACGCTCTTCTGTTGGCTGTGGATTCTGTGGGAAAGCCGGTGTGCCCC 127
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 176 CTGCTGCTTCCTCCTCAGTGTCCAGCCCTGGGCTGAGAGTGAAAGTGTGTGCTGCC 235
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 128 TGTGACATGACCATGCTTAATGTCAGAGTCAATCTAGAAGCTCATAGTGAGAGGC 187
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 236 ATTCATGGCACCACCTGCTGAGCATGGGAGGCTTGGCGAGCTCATGCCAGAGGC 295
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 188 CATGAGGTACAGATTGACTCACTCAAGCCTTCGTTAATTGACTACAGAACCTTCT 247
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 296 CACGAGGACGAGTCTCCACCCAGAGGTGAATATGCACATCAAGAAGACTTTTTC 355
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 248 GCATTGAATTTGAGAGTGTCCATATGCCACAGACAGACAGAAAGAAATGAATATTT 307
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 356 ACCCTGACACCATATGCATTTTCGGAGCCAGATGATTAATTGATGCCGANG-----TG 409
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 308 GTTGACCTAGCTCTGAATGTCTTGGCAGGCTTATACCTGGCAATCGTTATAAATA 367
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 410 CTGGCCACACCACTGACTTACTTGAACAGAACATTTTTCGAAATAAATTTTTCGAGT 469
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 368 AATGATTTTTTGTGAATATAAGAGAACTTAAATGATGTGTGAGAGCTTTATCTAC 427
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 470 ATGGCAATGTTGAACAATATGTCTTGTCTATCTATAGTCTTGTGTGAGTACTACAT 529
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 428 AATCAGACGCTTATGAGAAAGCTACAGAAACCAACATAGATGTAATCTTATAGACCT 487
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 530 AATGAGGCCCTATAGAGCACTGATGATGCTACTCTTTGATGTGTTTAAACAGACCC 589
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 488 GTGATTCCTGTGAGAGACTGATGCTGATGCTTGCAGTCCCTTTGTGTCTACACAT 547
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 590 GTTAACTCTGTGCGGCGACTGTGCTGATGCTGTGATTCGATTCGTGTGTTTTTGG 649
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 548 AGAATTTCTGTAGAGGCAATATGAGCAAGCTGTGGGAAACTTCCAGCTCCACTTCC 607
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 650 AGGACATTCCTCATGTG--ATTAGACTTTAAGGCAACAGTGTCCAAACCTTCTCTCC 706
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 608 TATGTACCTGTGCTATGACAGAGACTACAGACAGATGACCTTTCTGAAAGAGTAAAA 667
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 707 TATATCTTAGAATTACTAACCAATTCAGACACATGACATTCATGCAAAAGGGGCAAG 766
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 668 AATTCATGCTTTCAGTTTGTTCCTCTGATTCAGATTCAGACTATCATTTTGG 727
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 767 AAC--ATGCTCTACCTCTGGCCCTGTCTCATATTGCTCATGCTTTTCTGCTCTTAT 823
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 728 GAAGAGTTTATAGTAGGCAATTAGAGAGCCACTATATATGAGAGCTGTGGAAAA 787
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 824 GCCAGCCTTCCCTGAGCTTTTTCAGAGAGGTGTGAGTGTGATTTCTCACTCAT 883
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 788 GCTGAGATATGCTTAATACAGACATATTTGGGATTTGAATTTCTCAACCATACCACT 847
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 884 GCATCTGTGTGCTGTTCGAGAGGGAATTTGTATGAGTACCCGAGCAATCATGCC 943
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 848 AACTTGAAGTTTGTGAGAGAT 869
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 944 AACATGCTTTCATTTGGGGCAT 965
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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RESULT 11

US-08-487-826B-13
 ; Sequence 13, Application US/08487826B

; Patent No. 5993827

; GENERAL INFORMATION:

; APPLICANT: Slim, Kim L.

; APPLICANT: Chituls, Chetan

; APPLICANT: Miller, Louis H.

; APPLICANT: Peterson, David S.

; APPLICANT: Su, Xin-zhaun

; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX

; TITLE OF INVENTION: AND PLASMODIUM FAICIPARUM ERYTHROCYTE BINDING PROTEINS

; NUMBER OF SEQUENCES: 45

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Knodde Martens Olson & Bear

; STREET: 620 Newport Center Drive 16th Floor

; CITY: Newport Beach

; STATE: California

; COUNTRY: US

; ZIP: 92660

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/487,826B

; FILING DATE: 10-SEP-1993

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Israel, Ned

; REGISTRATION NUMBER: 29,655

; REFERENCE/DOCKET NUMBER: NIH121.001CP1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (619) 235-8550

; TELEFAX: (619) 235-0176

; INFORMATION FOR SEQ ID NO: 13:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 19124 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

US-08-487-826B-13

Query Match 2.1%; Score 57.6; DB 2; Length 19124;

Best Local Similarity 45.3%; Pred. No. 0.00041;
 Matches 150; Conservative 0; Mismatches 154; Indels 0; Gaps 0;

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OY 2271 ATTATGTCCTCAATTAATAAGAACTGAATTTCTTTCATAGAGAAATGTCATA 2330
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 15688 AATATATATCATAAACAAAAAAGAAAAAATATATTAATAATATATATATC 15747
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 2331 AGATATTCAGTTAAACAGATTATTTGAGATTAAGTAACATTAAGAAATATGATGTA 2390
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 15748 ATAAATATAAAAAATTAATAAATGTTAAAAAATAATATATACATAAATAAAAAA 15807
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 2391 ATTTCGATTTTATAAATTTTAATTGATGATGACCTGATTTAATGCTATCTTTAA 2450
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 15808 ATTTATTTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAAT 15867
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 2451 AATGATGAATCTCAATTAATTTCTATCTATATCAAAAGTAAATTAATCTGTAGAAAA 2510
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 15868 AATATAAAAAATTTAATTAATAAATAAATAAATAAATAAATAAATAAATAAATAA 15927
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 2511 TAAAGAGATGCTGTCTGAAAGTAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA 2570
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Db 15928 TAAAAAATTTAATTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 15987
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OY 2571 CGTA 2574
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Db 848 TTCCTGCAAGGGTCAGAAC--ATGCTCTACCCCTGCCCCCTGCTACATTGCCAT 904
Qy 710 TACGACTATCATTTTGGAGAAGTTTATAGTAGGCATTAGAGGCCCTACATT 769
Db 905 ACTTTTCTGCCCCCTTATGCAAGTCTTGCCCTGAGCTTTTCAGAGAGAGGTGTCAGTG 964
Qy 770 TGTGAGACTGTGGGAAAGCTGAGATATGCTAATACGAACATATGGGATTTTGAATT 829
Db 965 GTGGATCTGTGACGTATGCAATCCGTGTGGCTGTCCGAGGGGACTTTGTGATGACTAC 1024
Qy 830 CCTCAACCATACCAACCTTACTTTGAGTTGTTGAGAGATTGCACCTGTAAACCTGCCAAA 889
Db 1025 CCCAGGCCGATCATGCCCCAATGCTTCAATTGGGGGCATCACTGTGCAACGGGAAG 1084
Qy 890 GCTTGGCCTAAG 902
Db 1085 CCACTATCTCAGG 1097

Search completed: December 4, 2002, 03:36:52
Job time : 143 secs

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